

(i) Printed Pages : 3

Roll No.

(ii) Questions : 7

Sub. Code :

1	0	2	1	6
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Exam. Code :

5	0	0	1
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Bachelor of Arts (FYUP) 1st Semester
(2124)

**STATISTICS : STATISTICAL DATA ANALYSIS
USING MS-EXCEL**

Paper : STASEC1

Time Allowed : Three Hours]

[Maximum Marks : 40

Note :— (1) Attempt **FIVE** questions in all, including the first question which is compulsory and **TWO** questions from each unit.

(2) Simple non-programmable calculator is allowed.

(Compulsory Question)

1. Answer the following :

- (i) How is wrap text option in Excel useful ?
- (ii) Define number formatting in Excel.
- (iii) What do you mean by freezing a column or a row in a worksheet ?
- (iv) What is AutoFill feature of Excel ?
- (v) What is positive skewed data ?

- (vi) What are the advantages of Spearman's rank correlation over Karl Pearson's correlation coefficient ?
- (vii) Define standard deviation. Why standard deviation is considered a good measure of dispersion ?
- (viii) What is pie chart ? 8×1

UNIT—I

2. (i) What do you mean by functions and formulas in Excel worksheet ? Explain briefly.
- (ii) Write a note on the modes of referencing cells in an Excel formula. 4,4
3. (i) What do you mean by a workbook in Excel ? Explain how it is created, saved, closed and opened.
- (ii) Explain :
 - (a) Change a column width and row height
 - (b) Merge cell. 4,4
4. (i) Explain :
 - (a) Page breaks
 - (b) Printing titles, gridlines and heading.
- (ii) Explain cut, copy, paste and paste special commands in Excel worksheet. 4,4

UNIT—II

5. What do you mean by 'Central Tendency' ? Write a note on different measures of central tendency. Compute median age for the following data and also give the Excel's inbuilt function for median :

Age (years)	18-21	22-25	26-35	36-45	46-55
No. of employees	8	32	54	36	20

8

6. (i) What is linear regression ? Write the procedure to compute regression line Y on X. Also mention Excel's inbuilt function to compute regression line.
- (ii) For the following data of rainfall and production of rice, find the most likely production corresponding to the rainfall of 40 cms :

	Rainfall	Production
Mean	35	50
Standard Deviation	5	8
Correlation coefficient	+0.8	

5,3

7. (i) Describe briefly the construction of histogram and frequency polygon of a frequency distribution and state their uses. Also describe its construction in Excel.
- (ii) Define :
- Bivariate data
 - Scatter diagram and explain how it is constructed in Excel.

4,4